

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

*CHARTER, NY*

GARBAR, M.I.

International conference on plastics. Khim.prom. no.4:251 Je '57.  
(MLIA 10:9)  
(Berlin--Plastics--Congresses)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

Garbar, M. I.

AUTHOR: Garbar, M. I. 64-7-3/12

TITLE: Problems Concerning the Development of the Industry of Plastic Materials (Voprosy razvitiya promyshlennosti plasticheskikh mass.)

PERIODICAL: Khimicheskaya Promyshlennost', 1957, Nr 7,  
pp.(397)13 - (402)18 (USSR)

ABSTRACT: This is a survey concerning the development of the industry of plastic materials. This industry belongs today to the most important branches of the chemical industry and it is not yet able - inspite of its rapid development - to meet the whole requirement of the country. A survey is given of the raw-material bases for the industry of plastic materials: The industry exploiting and processing petroleum and gas, as well, as the industries of coke-chemistry, gas slate, peat and the sylvano-chemical industry and agricultural raw materials. The chief questions of the petroleum-chemical synthesis which are of importance for the industry of plastic materials are summarized. Finally a survey is given of the scientific research bases and directives for

CARD 1/2

Problems Concerning the Development of the Industry of Plastic Materials 64-7-3/12

research are pointed out: Investigations in the field of high-polymeric materials, viz. of polymerization processes, colloid-chemistry, synthesis and structure of metallo-organic compounds and radiation chemistry of the polymerics, theoretical investigations in the field of the catalysis and synthesis of basically new high-polymerics with specifically high resistance and heat-resistance properties. Some examples from the industry of plastic materials are given: viz. polyethylene, polypropylene, glass-plastics based upon polyether and epoxide resins, a new kind of plastic materials based upon polycarbocyclic compounds. Finally the basic tasks for the industry of plastic materials are given. There is 1 table.

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CARD 2/2

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CIA-RDP86-00513R000514310019-7

GABBAR, Mikhail Ivanovich; ROMM, P.S., red.; ZAZUL'SKAYA, V.F., tekhn. red.

[Plastics in the national economy] Plasticheskie massy v narodnom  
khoziaistve. Moskva, Gos. nauchno-tekn. izd-vo khim. lit-ry, 1958.  
66 p. (MIRA 11:7)

(Plastics)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

AUTHOR: Garbar, M.I., Head of Technical Administration

TITLE: Plastics in the Building Industry (Plastmassy v strelitel'stve)

PERIODICAL: Nauka i zhizn', 1958, Nr 9, pp 17-23 and p 2 of the center-fold (USSR)

ABSTRACT: Plastics and synthetic resins are still in short supply in the Soviet Union but the author foresees a huge development in their production by 1965. Various plastics will be developed for the building industry. Waste products of the lumber industry and cheap types of wooden pulp will be used for the production of wall, floor, and ceiling plates. Production of synthetic phenol- and urea-aldehyde resins will be increased. Page 2 of the centerfold shows a house soon to be built in Moscow, which (except the frame) will be entirely of plastic.

Card 1/2

Plastics in the Building Industry

SOV-25-58-9-2/62

There are 6 drawings.

ASSOCIATION: Gosudarstvennyy komitet Soveta Ministrov po khimii  
(The State Committee on Chemistry of the Council of Ministers of the USSR)

1. Building industry--USSR    2. Plastics--Applications

Card 2/2

GARBAR, M.I.

Plastics and their use in the national economy. Zhel.dor.transp.  
40 no.11:15-21 N '58. (MIRA 11:12)

1. Nachal'nik Upravleniya plasticheskikh mass i sinteticheskikh  
smol Gosudarstvennogo Komiteta Soveta Ministrov SSSR po khimii.  
(Plastics)

5(3); 25(2)

PHASE I BOOK EXPLOITATION

SOV/2884

Moscow. Dom nauchno-tekhnicheskoy propagandy imeni F.E. Dzerzhinskogo

Plastmassy v mashinostroyenii (Plastics in Machine Building) Moscow, Mashgiz, 1959. 236 p. Errata slip inserted. 8,000 copies printed.

Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znanii RSFSR.

Ed. (Title page): V.K. Zaygorodniy; Ed. (Inside book): B.M. Notkin, Engineer;  
Ed. of Publishing House: G.M. Konovalov; Tech. Ed.: A. F. Uvarova;  
Managing Ed. for Literature on Machine Building and Instrument Making  
(Mashgiz): N.V. Pokrovskiy, Engineer.

PURPOSE: This collection of articles is intended for engineers and technicians in the machine-building industry.

COVERAGE: This collection reviews the progress made by the Soviet Union in the field of manufacturing new plastic materials and fabricating different plastic-

Card 1/4

Plastics in Machine Building

SOV/2884

material articles for use in the machine-building industry. Physicomechanical and dielectric properties of phenolite, decorrosite, fluoroplastics, epoxy resins, polyamides, laminated plastics, and fiberglass plastics are analyzed and their use in machine building described. Characteristics and composition of adhesives and bonding agents are given and the technology of the pressing process described. Methods of coating with plastics as a protection against corrosion are explained, and metallization of plastics achieved by vacuum evaporation is reviewed, as well as equipment used for manufacturing and fabricating plastics and articles made of plastics. Mechanization of certain operations and automatic control of various processes are discussed. No personalities are mentioned. References accompany individual articles.

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AVAILABLE: Library of Congress

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TM/gmp  
1-19-60

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

PETROV, G.S. [deceased]; LEVIN, A.N.; GARBAR, M.I., red.; KOVARSKAYA,  
B.M., red.; SHPAK, Ye.G., tekhn.red.

[Thermosetting resins and plastic materials] Termoreaktivnye  
smoly i plasticheskie massy. Pod red. M.I.Garbara. Moskva,  
Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1959. 309 p. (MIRA 13:2)  
(Resins, Synthetic) (Plastics)

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*CIA/Russia, M.I.*

## PAGE I FOR EXPLANATION

307/2054

Approved under E.O. 14176. Exempt under Information

Materials Processing Act, Title 17 U.S.C. (The Chemical Industry of the USSR)

Editorial Board: A. P. Vinogradov, L. I. Vol'fson, N. M. Zavorotnikov, N. I. Ivanov, V. G. Klimov, T. A. Leshchenko (Scientific Secretary), O. S. Medvedev, B. D. Mel'nikov, A. S. Ponomaryov, A. M. Romanov (Editor-in-Chief), and A. V. Topobrev.

**PURPOSE:** This book is intended for the personnel of the chemical industry. It will be of interest to the general reader interested in the development and structure of the Soviet chemical industry.

**CONTENTS:** This book contains 19 articles on various aspects of the Soviet chemical industry. Among the developments in the production of new materials for the manufacture of chemical products discussed are: 1) the use of new materials synthesized from natural gas and petroleum to produce such products as the production of synthetic rubber, alcohol, detergent, etc.; 2) the production of polyethylene from natural and petroleum gases for the synthesis of vinyl chloride, acrylonitrile, chloroprene, cyclohexene, isobutylene, and other organic substances, based on methods developed by N. G. Kukharov, A. A. Petrovsky and others; 3) the production of acetone from acetone and isopropanol by cracking methanol (and its homologs) at 110° in an electric oven between two special electrodes in a special reactor; by pyrolysis (thermal oxidation) of methane in improved furnaces designed by B. S. Gerlman; or by high-temperature hydrolysis of propane and butane in tubular furnaces or by other methods of producing acetone; 4) the synthesis of carbon dioxide, ethyl alcohol, and other organic substances; 5) the production of synthetic resins, plastics, pharmaceutical products, etc.; and 6) the production of rubber articles, pharmaceutical products, etc., and 7) the production of synthetic plastic products from nitrogen-containing aliphatic hydrocarbons. The history of plastic production in the Soviet Union is reviewed, and names, localities, and products of plants as well as the names of outstanding personalities in this field are given. The technical level and prospects of further development of different branches of the plastic industry are also discussed.

Along with methods of manufacturing plastic articles, a practical apparatus designed by Yu. N. Gorbachev and developed "VNIKh" which permits preparation of viscose solution in one operation is discussed. It is being used to replace the complex conventional equipment with great savings. In addition, trends in the technology of synthetic fiber production are also discussed. A historical review of synthetic rubber production and the achievements of outstanding Soviet scientists in this field are given as well as names, localities and products of synthetic rubber plants. Rubber production and the manufacture of rubber goods are similarly reviewed. Statistical data and outstanding personalities in the development of the cellulose, paints and lacquers, mineral fertilizers, insecticides and fungicides, organic acids, metal salts, radiocolorants and stabilizers, dyes, and chemical reagents industries are given. Catalysts, processes and automation and automatic devices used in the chemical industry are also discussed. Thirty portraits included in the book are suitable and interesting views of some Soviet chemical industry plants, as well as their manufacturing, material-handling and laboratory equipment. Numerous references accompany individual articles.

**Editor, M. I. The Plastic and Synthetic Resin Industry**  
Kazakov, G. M., and A. A. Konkin. The Chemical Fibers Industry 75

Sakharov, P. I. The Synthetic Rubber Industry

Saulyshev, A. F. The Paints Industry

Korolev, A. I. The Aniline Dye Industry

Slobodtchikov, A. A. The Production of Lacquers and Polishes

Mashkov, E. N. Chemical Means of Protecting Plants and Eliminating

Pestilence. G. S. and V. S. Chetverikov. Catalytic Processes in the Chemical

Industry 234

Zelentsev, E. N., and N. N. Pozna. Automation of the Chemical Industries 409

AVAILABLE: Library of Congress

GARBAR, M.

Synthetic products in the USSR; a lecture. p. 247.

PRZEMYSŁ CHEMICZNY. Ministerstwo Przemysłu Chemicznego i Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Przemysłu Chemicznego. Warszawa, Poland, Vol. 38, No. 4, 1957.

Monthly List of East European Accessions (EEAI), LC, Vol. 3, No. 9, September, 1959.  
Uncl.

PHASE I BOOK EXPLOITATION

SOV/4965

Garbar, Mikhail Ivanovich, and Ivan Vasil'yevich Rastanin

Plastmassy i sinteticheskiye smoly v stroitel'stve (Plastics and Synthetic Resins in Construction) Moscow, Gosstroyizdat, 1960. 262 p. Errata slip inserted. 12,000 copies printed. (Series: Novyye stroitel'nyye materialy)

Scientific Ed.: I. V. Kamenskiy, Candidate of Chemical Sciences; Ed.: N. A. Gomozova; Tech. Ed.: Ye. L. Temkina.

PURPOSE: This book is intended for engineers, technicians, builders, and personnel in the building materials industry.

COVERAGE: The book deals with plastics and synthetic resins used in the construction industry. It contains data on the manufacturing technology of structural materials based on synthetic resins, and of basic types of structural plastics. The main characteristics of the raw materials are described along with the physicochemical and mechanical properties of the structural plastics. The economic advantages from the use of this type of materials in the construction industry are stressed and

Card 1/8

Plastics and Synthetic Resins (Cont.)

SOV/4965

statistical data presented. No personalities are mentioned.  
No references are given.

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GARBAR, M.I.

Plastics in agriculture. Plast.massy no.2:1-3 '60.  
(MIRA 13:6)

(Plastics) (Agricultural machinery)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

S/191/60/000/005/001/020  
R004/R064

AUTHOR: Garbar, M. I.

TITLE: The Resolutions of the May Plenum (1958) of the Central Committee of the Communist Party USSR Became Effective

PERIODICAL: Plasticheskiye massy, 1960, No. 5, pp. 1 - 2

TEXT: The TsK KPSS (Central Committee of the Communist Party USSR) adopted in its May Plenum 1958 a resolution to push forward intensively the industrial development of high-polymeric substances. The present paper lists the achievements made so far. The number of scientific workers in this field has doubled. The Moskovskiy institut plastmass (Moscow Institute of Plastics) and the Leningradskiy institut plastmass (Leningrad Institute of Plastics) have become major scientific research centers with branches. The Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh smol (Vladimir Scientific Research Institute of Synthetic Resins) took a rapid development. The NII steklyannogo volokna (Scientific Research Institute of Glass Fiber) successfully deals with problems concerning the providing of fillers necessary for glass-reinforced plastics. Theoretical studies

Card 1/4

The Resolutions of the May Plenum (1958) of  
the Central Committee of the Communist Party  
USSR Became Effective

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are made on the structure of polymers, catalysis of polymerization, and radiation chemistry of polymers at the fizika-khimicheskiy institut im. Karpova (Physicochemical Institute imeni Karpov). Valuable research work is carried out by the central plant laboratories and design offices of several plants, including the Orekhovo-Zuyevo zavod "Karbopolit" (Orehovo-Zuyevo "Karbopolit" Plant), Kemerovskiy zavod "Karbopolit" (Kemerovo "Karbopolit" Plant), Kuskovskiy khimicheskiy zavod (Kusovo Chemical Plant), Yerevanskiy zavod (Yerevan Plant), Okhtinskiy khimicheskiy kombinat (Okhta Chemical Combine), Nizhne-Tagil'skiy zavod plastmass (Lower Tagil Plant of Plastics), Karacharovskiy zavod plastmass (Karacharovskiy Plant of Plastics), and Lisichanskiy khimicheskiy kombinat (Lisichansk Chemical Combine). The Nauchno-issledovatel'skiy institut plasticheskikh mass (Scientific Research Institute of Plastics) in Stalino started to operate. Many institutes of the Gos komitet po khimii (State Committee of Chemistry) are working in this field. Specially important research work is done by the following institutes of the Akademiya nauk SSSR (Academy of Sciences USSR): Institut neftekhimicheskogo sinteza (Institute of Petroleum Chemical Synthesis), Institut khimicheskoy fiziki (Institute of Chemical Physics).

Card 2/4

The Resolutions of the May Plenum (1958) of  
the Central Committee of the Communist Party  
USSR Become Effective

S/191/60/000/005/001/020  
B004/B064

Institut elementoorganicheskikh soyedineniy (Institute of Elemental-Organic Compounds), and Institut organicheskoy khimii (Institute of Organic Chemistry). Large-scale studies were made at the Moskovskiy khimiko-tehnologicheskiy institut im. Mendeleyeva (Moscow Institute of Chemical Technology imeni Mendeleyev), Moskovskiy institut khimicheskogo mashinostroyeniya (Moscow Institute of Chemical Machinery), Institut tenkoy khimicheskoy tekhnologii im. Lomonosova (Institute of Fine Chemical Technology imeni Lomonosov), Kazanskiy khimiko-tehnologicheskiy institut (Kazan' Institute of Chemical Technology), Leningradskiy khimiko-tehnologicheskiy institut (Leningrad Institute of Chemical Technology), Yaroslavskiy khimiko-tehnologicheskiy institut (Yaroslavl' Institute of Chemical Technology), Dnepropetrovskiy khimiko-tehnologicheskiy institut (Dnepropetrovsk Institute of Chemical Technology), L'vovskiy khimiko-tehnologicheskiy institut (L'vov Institute of Chemical Technology), and Moskovskiy universitet (Moscow University). The organization "Giprplast" (State Institute for the Design and Planning of Establishments Producing Plastics and Intermediate Products) with four branches was developed from the small Design and Planning Division of the Institute of Plastics. Its personnel has

Card 3/4

The Resolutions of the May Plenum (1958) of the Central Committee of the Communist Party USSR Become Effective

S/191/60/000/005/001/020  
B004/B064

tripled. The design of apparatus for the synthesis and processing of plastics was intensified at the Nauchno-issledovatel'skiy institut khimicheskogo mashinostroyeniya (Scientific Research Institute of Chemical Machinery), Tsentral'noye proyektno-konstruktorskoye byuro (Central Planning and Design Office) of the State Committee on Chemistry, SKB-3 (Special Construction Office), Ukrplastmash, SKB Gosstroya USSR (Special Construction Office of the State Committee on Construction of the Council of Ministers USSR), and other organizations. The Polymer Divisions, established upon resolution of the May Plenum, developed rapidly, e.g., at the institutes of the Akademiya stroitel'stva i arkhitektury SSSR (Academy of Construction and Architecture USSR), the VNIIPtiglemash (All-Union Scientific Research, Design and Planning Technological Institute of Chemical Machinery), the institutes of the Akademiya sel'skokhozyaystvennykh nauk (Academy of Agricultural Sciences), and in various branches of industry.

Card 4/4

S/063/62/007/002/009/01<sup>4</sup>  
A057/A126

AUTHORS: Garbar, M.I., Levin, A.N. Professor, Sagalayev, G.V.

TITLE: Modern methods for the processing of plastics

PERIODICAL: Zhurnal vsesoyuznogo khimicheskogo obshchestva imeni D.I. Mendeleyeva, v. 7, no. 2, 1962, 207 - 211

TEXT: The scope of the present paper is to give some directions for the intensification and development of the Soviet plastics industry. To increase the productivity of presses one of the basic problems is the development of quick hardening of compression materials. The use of pure raw materials in the processing of polycondensation plastics and suitable filler compounds is expedient. An exchange of phthalic anhydride to isophthalic acid in the production of non-saturated polyester resins increases considerably the hardening rate and elasticity of the corresponding plastics. To simplify the proportioning of the raw material the weight of tablettes must be equal to the weight of the product and for this reason hydraulic tabletting machines should be used to a greater extent. High-frequency pre-heating is of advantage to reduce the holding time. One of the basic factors for high productivity is the exact temperature at the compres-

Card 1/3

S/063/62/007/002/009/014

A057/A126

Modern methods for the.....

sion. Since automation is also of great importance, automatic presses with high productivity (above 3 - 5 million pieces per year) should be constructed. Another type of automation can be attained with rotor lines of automates, which is realized for instance in the Plant "Karbolit" for the production of pressed switch parts. One of the modern plastics processing method is casting compression, applied to thermoreactive materials in the manufacture of electric insulating articles. This method is insufficiently studied yet and besides complicated. Investigations in die casting, the basic method for the processing of thermoplastic materials, should be developed. At the present time several types of die casting machines were constructed in the USSR for 8, 16, and 32 cm<sup>3</sup> articles without pre-mastication, for 63, 125, 250, 500, and 1000 cm<sup>3</sup> with single screw-conveyer pre-mastication, and vertical die casting machines for 2,000 cm<sup>3</sup> articles with double screw-conveyer mastication. Casting machines with one cylinder used for mold locking and injection of the material are of interest for the production of articles up to 100 g/cycle. Casting without pressure is becoming more important for epoxide and polyamide resins and foamed plastics. However, special attention should be paid here to mechanization and automation. Extrusion is a recently developed method applied to various thermoplastic articles. Rotating extruders (or with rotating cap) are of special interest for this type of

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Modern methods for the.....

S/063/62/007/002/009/014  
A057/A126

plastics processing. Vacuum molding is used in several variations chiefly for the production of sheet materials. Among the different methods of vacuum-molding of thermoplastics, the authors recommend the positive molding with mobile molds. In production of glass-reinforced plastics some special problems should be considered. Of great importance for the processing of plastics is the development and standardization of the corresponding equipment. Thus, it is planned to manufacture thousands of molds by means of modern methods and cheaper materials in special factories. Another important problem is the development of theoretical principles for the calculation and construction of plastics articles. There are 6 figures.

Card 3/3

TUMANOV, A.T., glav. red.; VVATKIN, A.Ye., red.; GANBAR, M.I., kand. tekhn. nauk, red.; ZAYMOVSKIY, A.S., red.; KARGIN, V.A., red.; KISHKIN, S.T., red.; KISHKINA-RATNER, S.I., doktor tekhn. nauk, red.; PANSHEV, B.I., kand. tekhn. nauk, red.; ROGOVIN, Z.A., doktor khoz. nauk, red.; SAZHIN, N.P., red.; SKLYAROV, N.M., doktor tekhn. nauk, red.; FRIDLYANDER, I.N., doktor tekhn. nauk, red.; SHUBNIKOV, A.V., red.; SRCHERBINA, V.V., doktor geol.-miner. nauk, red.; SHRAYBER, D.S., kadm. tekhn. nauk, red.; GENEL', S.V., kand. tekhn. nauk, red.; NOVIKOV, A.S., doktor khoz. nauk, red.; KITAYGORODSKIY, I.I., doktor tekhn. nauk, red.; ZHEREBKOV, S.K., kand. tekhn. nauk, red.; BOGATYREV, P.M., kand. tekhn. nauk, red.; BUROV, S.V., kand. tekhn. nauk, red.; POTAK, Ya.M., doktor tekhn. nauk, red.; KUKIN, G.N., doktor tekhn. nauk, red.; KOVALEV, A.I., kand. tekhn. nauk, red.; ZENTSEL'SKAYA, Ch.A., tekhn. red.

[Building materials; an encyclopedia of modern technology]  
Konstruktsionnye materialy; entsiklopediya sovremennoi tekhniki. Glav. red. Tumanov, A.A. Moskva, Sovetskaia entsiklopediya. Vol.1. Abliatsiia - Korroziia. 1963. 416 p.  
(MIRA 17:2)

1. Chlen-korrespondent AN SSSR (for Kishkin).

GARBAR, Michal

Development of the high-molecular plastics industry in the  
U.S.S.R. Polimery tworzące wielk. 8 no. 1:1-4 Ja. '63.

1. Komitet do Spraw Chemii przy Radzie Ministrów ZSRR, Moskwa.

GARBAR, M.

The resolutions of the September Plenum of the Central Committee  
of the CPSU represent the program for the further powerful  
upswing of the economics of the country. Plast. massy no. 12:  
1-2 '65  
(MIRA 19:1)

L 27328-66 EWT(m)/EWP(j)/T IJP(c) RM  
ACC NR: AP6008984 (A) SOURCE CODE: UR/0190/65/007/011/1989/1992

AUTHORS: Smirnova, O. V.; Fortunatov, O. G.; Garbar, N. M.; Kolesnikov, G. S. 37

ORG: Moscow Institute of Chemical Technology im. D. I. Mendeleyev (Moskovskiy khimiko-tehnologicheskiy institut) B

TITLE: Synthesis and investigation of polycarbonates prepared by interphase polycondensation of di-(4-hydroxyphenyl)-phenylmethane

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 11, 1965, 1989-1992

TOPIC TAGS: polymer, polycarbonate plastic, polymer chemistry, polymerization, sodium hydroxide

ABSTRACT: This investigation was undertaken to extend the work of H. Schnell (Industr. and Engng. Chem., 51, 157, 1959) on the synthesis of polycarbonates. The reaction of di-(4-oxyphenyl)phenylmethane with phosgene was investigated. The conditions for maximum yield of product and the effect of NaOH concentration and the initial concentration of reactants on the yield and on specific viscosity were determined. The experimental results are presented graphically and are in good agreement with those obtained by El' Said Ali Khasan (Dissertatsiya, 1964) for the synthesis of polycarbonates from methyl- or chloro-substituted diphenyls. Orig. art. has: 3 graphs.

SUB CODE:07, 11/SUBM DATE: 31Dec64/ ORIG REF: 002/ OTH REF: 001

Card 1/1 Do UDC: 541.64+678.674

L 26064-66 EEC(k)-2/EWT(d)/EWT(1) IJP(c) AT

ACC NR: AP6013521

SOURCE CODE: UR/0120/66/000/002/0178/0179

AUTHOR: Luk'yanchikova, N. B.; Garbar, N. P.

56  
55  
B

ORG: Institute of Semiconductors AN UkrSSR, Kiev (Institut poluprovodnikov AN UkrSSR)

TITLE: A device for spectral measurements of low-frequency photocurrent noises in semiconductors

1m

SOURCE: Pribory i tekhnika eksperimenta, no. 2, 1966, 178-179

TOPIC TAGS: photoconductor, semiconductor device, white noise, noise analyzer

ABSTRACT: The authors describe an instrument for studying the spectra of photocurrent noises in the frequency range from 1 cps to 5 kc. The device has an extremely low inherent noise level and rapid response. A block diagram of the installation is shown in the figure. Photoconductor  $R_0$  and series-connected load resistor  $R_1$  are supplied with dc voltage from battery  $E$ . A small wire resistor  $R_2$  is connected in series with the specimen for calibration. The noise signal is amplified by the preamplifier and fed to the spectrum analyzer. After linear detection of the signal and averaging, dc voltages appear at the output of the analyzer which are proportional to the average noise on the corresponding frequencies. These voltages are measured by a dc VTVM. A schematic diagram of the preamplifier is given. This unit has an amplification factor of  $1.3 \cdot 10^4$  with nearly uniform frequency response in the working wavelength range.

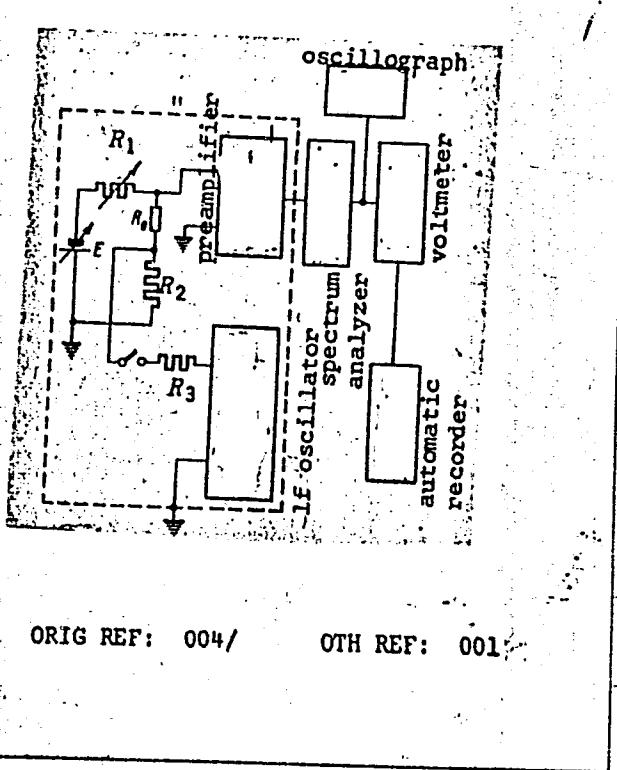
UDC: 612.317.75:539.293.535.215

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L 26064-66

ACC NR: AP6013521

The spectrum analyzer is a narrow-band amplifier which is designed for simultaneously measuring noises on 20 fixed frequencies in the given range. Measurement time is considerably reduced by the use of this multichannel analyzer. A white noise generator in the working frequency range is used for calibrating the instrument.  $R_3$  is a buffer resistor for eliminating the shunting effect of the calibrating resistor on the output stage of the oscillator. In conclusion the authors are grateful to M. K. Sheynkman for interest in the work and consultation. Orig. art. has: 2 figures.  
[14]



SUB CODE: 09/ SUBM DATE: 14Feb65/ ORIG REF: 004/ OTH REF: 001/  
ATD PRESS: 4252

Card 2/2 CC

GARBAR, V. F.

GARBAR, V. F.; ROZENSHTEYN, Ya. I.

Practice of the baker's yeast section of the Ivashkovo Alcohol Plant.  
Spirt. prom. 23 no. 4:37-38 '57. (MIRA 10:5)

1. Ivashkovskiy spirtovoy zavod (for Garbar). 2. Khar'kovskiy spirtovoy  
trest (for Rozenshteyn).  
(Yeast)

GARBAR, V.F.

Operation of the Ivashkov Alcohol Plant producing baker's yeasts by  
the single flow method. Spirt. prom. 25 no. 7:32-33 '59.

(MIRA 13:2)

(Ivashkov (Poltava Province)--Yeast))

GARBAR, Ya.N., dots. (Pyatigorsk)

Tuberculosis in dogs and cats as a possible source of human  
infection. Fel'd. i akush. 24 no.6:33-35 Je '59.  
(MIRA 12:8)

(TUBERCULOSIS) (ANIMALS AS CARRIERS OF DISEASE)

AUTHOR: Garbarchuk, M.

27-58-7-16/27

TITLE: Working Together (Druzhnaya rabota)

PERIODICAL: Professional'no-tehnicheskoye obrazovaniye, 1958, Nr 7,  
p 25 (USSR)

ABSTRACT: On the occasion of the 40th anniversary of the Lenin Komsomol, the Komsomol Members of the School for Mechanization of Agriculture Nr 10, of the Kherson Oblast arranged a socialist competition. They planted trees and flowers, reconditioned their stadium and helped the kolkhoz "Peremoga" in destroying agricultural pests.

1. Agriculture--USSR 2. Insect control

Card 1/1

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

USTYUGOV, M.; GARBARCHUK, M.

News from schools. Prof.-tekhn.obr. 19 no.10:32 0 '62.  
(MIRA 15:11)  
(Vocational education)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

GARBACZYK, Z.

2816

(2) *V. M. L.*

628.81 : 662.92

*Garbarczyk Z. Simple Methods of Computing Heat Exchangers.*

"Proste metody obliczania wymienników cieplnych" (Prace Centr. Inst. Ochr. Pracy No. 3(8)), Warszawa, 1933, PWT, 18 pp., 19 figs., 8 tabs.

Computation, on a purely theoretical basis, of the volumes of air exchanged is impossible and it must, therefore, be based on experiments. These alone make it possible to determine which factors have the greatest influence on this process, while the results of experiments will assist in the determination of the correlation between the parameters characteristic for individual cases of heat exchange and the volume of air exchanged. The extensive use of heat exchangers is, if the method of computing them is inaccurate, most detrimental to social economy. Heat exchange equipment designed in excess of actual requirements causes needless waste of materials and human effort, while heat exchangers having an insufficient surface will fail to meet their purpose to a sufficient degree. This can, however, be avoided by employing, for the computations, approximate methods which the author has selected and quoted from among the numerous known methods. Designers concerned with this problem should be able to extract from these methods a basis for judicious computation, and for the designing of heat exchangers.

Polish Technical Abst.  
No. 1 1954  
Mechanics, Electrotechnics, Power

GARBARENKO, M.D., dotsent

Lead pollution of air in Riga produced by automobiles using ethyl  
gasoline. Gig. i san. 24 no.10:75-77 '59. (MIRA 13:1)

1. Iz kafedry gigiyeny Rizhskogo meditsinskogo instituta.  
(AIR POLLUTION)  
(LEAD)  
(PETROLEUM)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

GARBARENKO, M.; STENDERS, E.[translator]; ENDZELINA, M., red.; UDRE, V.,  
tekhn. red.

[Hygiene for the pensioner] Pensionara higiena. Riga, Latvijas  
Valsts izdevnieciba, 1960. 25 p. [In Latvian] (MIRA 14:12)  
(OLD AGE—HYGIENIC ASPECTS)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

GARBARENKO, V.G.; STABNIKOV, V.N.

Phase equilibrium in the system ethyl alcohol - water - vapor. Izv.  
vys.ucheb.zav.; pishch.tekh. no.4:112-120 '60. (MIRA 13:11)

1. Kiievskiy tekhnologicheskiy institut pishchevoy promyshlennosti.  
Kafedra protsessov i apparatov.  
(Ethyl alcohol) (Phase rule and equilibrium)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

STABNIKOV, V.N.; NIKOLAYEV, A.P.; TSYGANKOV, P.S.; GARBARENKO, V.G.

Hydrodynamic testing of turbogrid-type sieve plates. Trudy KTIPP  
no.22:171-177 '60.  
(Plate towers)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

GARBARENKO, V.G.

Operation of an alcohol scrubber in a distillery. Spirt. prom. 27  
no.6:18-20 '61. (MIRA 14:9)  
(Distilling industries--Equipment and supplies)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

GARBARENKO, V.G.; STABNIKOV, V.N.

Coefficients of absorption of alcohol vapors in a packed tower.  
Trudy KTIPP no.24:145-151 '61. (MIRA 15:6)  
(Distillation) (Packed towers)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

GARBARENKO, V.G. [Harbarenko, V.H.]

Recovery of alcohol vapors. Khar.prom. no.1:52-53 Ja-Mr '62.  
(MIRA 15:8)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti.  
(Distillation) (Alcohol)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

GARBARENKO, V.G. [Harbarenko, V.H.]

Determining the balanced alcohol content of the gas carrier. Khar.-  
prom. no.4:52-55 O-D '62. (MIRA 16:1)  
(Ethyl alcohol)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

GARBARENKO, V.G. [Garbarens, V.H.]; KHSHANOVSKIY, F.A. [Khshanovs'kyi, F.A.]

Some abnormalities in the performance of rectification apparatus and  
their elimination. Kharch.prom. no.4:67-68 O.D '63. (MIRA 17:1)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

GARBARENKO, V.G.

Conditions of the performance of clarifiers in the Lokhvitsa  
Distilling Combine. Trudy Ukr.NIISP no.8:30-36 '63. (MIRA 17:3)

GARBARENKO, V.G.; ORLOVSKIY, Ya.K.; RAYEV, Z.A.

Intensification of alcohol fermentation at the expense of a  
forced removal of CO<sub>2</sub> excess from the beer. Trudy UkrNIISP  
no.9:25-38 '64. (IRA 17:10)

GARBARENKO, V.G. [Garbarens, V.H.]; YEVSSEYCHIK, B.I. [Evseichyk, B.I.]

Some potentials for the improvement of the production of baker's yeast. Khar. prom. no.2;26-28 Ap-Je '65. (MIRA 18:5)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

GARBARENKO, V. [Harbarenko, V.], inzh. (Riga)

Not only precious metals shine. Nauka i zhyttia 12 no.7:44-46  
Jl '62. (MIRA 16:1)  
(Vapor plating)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

KOPYLOV, Nikolay Georgiyevich; GRACHEV, N.P., kand. tekhn. nauk,  
dots., retsenzent; GARBARUK, V.N., kand. tekhn. nauk,  
dots., red.; YURKEVICH, M.P., inzh., red. izd-va; BARDINA,  
A.A., tekhn. red.

[Theory of shaking conveyors] Teoriia kachaiushchikhsia kon-  
veierov. Moskva, Mashgiz, 1963. 126 p. (MIRA 16:4)  
(Conveying machinery)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

GARBARUK, V., inzhener.

Instrument for roughing the tightening edge. Leg.prom. 7 no.9:31-32 4g '47.  
(MIRA 6:11)  
(Shoe industry)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

GARBARUK, V.N., kandidat tekhnicheskikh nauk.

Response to the article "Precision of footwear lasts." Leg.prom.14  
no.3:48 Mr '54. (MLRA 7:5)  
(Shoe industry)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

GARBARUK, V. N.

23381 Obuvnoy Promyshlennosti-novyyu Tekhniku. Legkaya Prom-stk, 1949, No. 6,  
c. 28.

SO: LETO 'IS NO. 31, 1949

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

BEZHANOV, B.N.; BUSHUNOV, V.T.; SHAUMYAN, G.A., doktor tekhn.nauk, prof.,  
retsenzent; KATONOV, V.A., dots, retsenzent; GARBARUK, V.N., kand.  
tekhn.nauk, nauchnyy red.; TKALICH, A.G., re.; DUGOLINSKAYA, Ye.A.,  
tekhn.red.

[Industrial automatic machines; theory and design] Proizvodstvennye  
mashiny-avtomaty; teoriia i raschet. Moskva, Gos.nauchno-tekhn.  
izd-vo mashinostroit. i sudostroit. lit-ry, 1953. 368 p. (MIRA 11:2)  
(Machinery, Automatic)

*Gorbaruk, V.N.*

Experiments on the Use of Carbon Strain Gauges in Measuring Compression Forces. V. N. Gorbaruk. [Zavodskaya Laboratoriya, 1956, II, (8), 489-490]. [In Russian]. A brief account is given of the use of carbon resistance strain gauges under the following conditions: eccentric application of load; with preliminary gauge compression; loading of gauge without preliminary compression. - S. K.

*gjf*

GARBARUK, V.N.

Design of torsion spring dynamometers. Zav. lab. 22 no.12:  
1504-1505 '56. (MLRA 10:2)

1. Leningradskiy tekstil'nyy institut imeni S.M. Kirova.  
(Dynamometer)

GARBARUK, Vladimir Nikolaevich; SHTERN, Rafail Yakovlevich; KOGAN, Lev  
Peysakhovich; LYAKHOVSKAYA, Ye.A., retsenzent; MIHAYEVA, T.M.,  
redaktor; MEDV рДЕВ, L.Ya., tekhnicheskiy redaktor

[UV-2 weft knitting machine] Utochnoviazal'naya mashina UV-2.  
Moskva, Gos.nauchno-tekhn.izd-vo M-va legkoi promyshl.SSSR,  
1957. 91 p.  
(Knitting machines)

(MLRA 10:9)

GARBARUK, V.N.

KOLCHIN, Nikolay Isaafovich, doktor tekhn.nauk, prof.; MOVNIN, M.S., prof., doktor tekhn.nauk, retsentrant; GARBARUK, V.N., kand.tekhn.nauk, red.; VASIL'Yeva, V.P., red.izd-va; POL'SKAYA, R.G., tekhn.red.

[The mechanics of machinery] Mekhanika mashin. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry. Pt.5. [Supplementary problems in the mechanics of machinery involving computations and designs for mechanisms] Dopolnitel'nye voprosy mekhaniki mashin po raschetu i proektirovaniyu mekhanizmov. 1957. 319 p. (MIRA 11:2) (Machinery--Design)

GARBARUK, V. N., kandidat tekhnicheskikh nauk.

Automatic embroidery machine. Leg. prom. 17 no.1:  
41-45 Ja '57.

(MLRA 10:2)

(Germany, East--Embroidery (Machine))  
(Automatic control)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

~~GARBARUK, V.N.~~  
~~kand.tekhn.nauk~~

The study of machines by means of high speed filming. Leg.prom.17  
no.9:34-37 S '57. (MIRA 10:12)  
(Textile machinery--Testing) (Motion pictures in industry)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

32-6-47/54

AUTHOR: GARBARUK, V.N.  
TITLE: On the Construction of Spring Winding Dynamometers. (O konstruiro-  
vanii pruzhinnikh dinamometrov krucheniya, Russian)  
PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol 23, Nr 6, pp 763-763  
(U.S.S.R.)

ABSTRACT: The author replies to the criticism of his paper published under  
the same title in Zavodskaya Laboratoriya, 1956, Vol 22, Nr 12 by  
G.A. SMIRNOV (Zavodskaya Laboratoriya, 1957, Vol 23, Nr 6,  
pp 762) and says that the cam-machine (BK-40) was a very unfitting  
example in the present case, because owing to the "enormous  
oscillation moments" of this machine it is unsuited for this pur-  
pose. The author admits that the hardness of the measuring spiral  
plays a very important part in spiral spring dynamometers, but he  
points out that it must not be forgotten that an excessive degree  
of hardness would in this case impair the sensitivity of the  
apparatus and would render its operation very complicated. SMIRNOV'S  
argument that the introduction of a measuring spiral with a lower  
degree of hardness would spoil the characteristic of the system  
"machine-motor" is described as wrong, as in this case the degree  
"machine-motor" is described as wrong, as in this case the degree

Card 1/2

32-6-47/54

On the Construction of Spring Winding Dynamometers.

of hardness of the spiral is dealt with together with the oscillation moment values.

ASSOCIATION: Leningrad Textile Institute "S.M.KIROV"  
PRESENTED BY:  
SUBMITTED:  
AVAILABLE: Library of Congress

Card 2/2

GARBARUK, V.N., kand.tekhn.nauk

Review of warp-knitting equipment made abroad. Izv. vys. ucheb.  
zav.; tekhn. leg. prom. no.3:146-157 '58. (MIRA 11:10)

1. Leningradskiy tekstil'nyy institut.  
(Knitting machines)

GARBARUK, V.N., kand. tekhn. nauk.

Calculating pressing stresses in warp-knitting machines. Izv.vys.  
ucheb. zav.; tekhn. leg.prom. no.4:129-133 '58. (MIRA 11:12)

Leningradskiy tekstil'nyy institut imeni S.M. Kirova.  
(Knitting machines)

GARBARUK, V.N., kand.tekhn.nauk, dotsent; SIMIN, S.Kh., kand.tekhn.nauk;  
AGAPOV, L.M., insh.

Designing the pattern chain mechanism of warp knitting machines.  
Izv.vys.ucheb.zav.; tekhn.leg.prom. no.6:107-115 '60.

(MIRA 14:1)

1. Leningradskiy tekstil'nyy institut imeni S.M. Kirova. Rekomendovana kafedroy proyektirovaniya tekstil'nykh mashin.  
(Knitting machines)

KOLCHIN, Nikolay Ioasafovich, zasl. deyatel' nauki i tekhniki RSFSR,  
doktor tekhnicheskikh nauk, prof.; MARKEVICH, A.A., kand.  
tekhn. nauk, retsenzent; LEEDEV, P.A., kand. tekhn. nauk,  
retsenzent; GARBARUK, V.N., kand. tekhn. nauk, red.;  
VASIL'YEVA, V.P., red. izd-va; ONISHCHENKO, R.N., red. izd-va;  
POL'SKAYA, R.G., tekhn. red.

[Mechanical engineering] Mekhanika mashin. Moskva, Mashgiz.  
Vol.1. [Structure and kinematics of mechanisms. Geometrical  
and kinematic analysis and synthesis of mechanisms] Struktura  
i kinematika mekhanizmov, geometricheskii i kinematicheskii  
analiz i sintez mekhanizmov. Izd.2., perer. 1962. 549 p.  
(MIRA 15:3)

(Mechanical engineering) (Mechanical movements)  
(Gearing)

GARBARUK, V.N.

Determining the profile of the countercam for a warp knitting machine. Izv.vys.ucheb.zav.;tekh.leg.prom. no.2:115-121 '62.  
(MIRA 15:5)

1. Leningradskiy tekstil'nyy institut imeni Kirova.  
Rekomendovana kafedroy proyektirovaniya tekstil'nykh mashin.  
(Knitting machines)

VOSTRODOVSKIY, A.V. [deceased]; BRUK, S.I.; LIVSHITS, B.I.; MIRKIN, M.S.; ROZENFEL'D, M.A.; SIMIN, S.Kh.; TREBNIK, Ya.L.; GARBARUK, V.N., kand. tekhn.nauk, retsenzent; VAKSER, D.B., dots., red.; VARKOVETSKAYA, A.I., red.izd-va; SHCHETININA, L.V., tekhn. red.

[Technology of the manufacture of knitting machines] Tekhnologiya trikotazhnogo mashinostroeniia. [By] A.V.Vostrodovskii  
1 dr. Moskva, Mashgiz, 1963. 266 p. (MIRA 16:8)  
(Knitting machines)

KOLCHIN, N.I., zasl. deyatel' nauki i tekhniki RSFSR, doktor tekhn.  
nauk, prof.; GARBARUK, V.N., kand. tekhn. nauk, red.;  
MIKHEYEVA, R.N., red. Izd-va; SHCHETININA, L.V., tekhn.red.

[Mechanical engineering] Mekhanika mashin. Moskva, Mash-  
giz. Vol.2. [Kinetics and dynamics of machines .  
Friction in machines] Kinetostatika i dinamika mashin. Tre-  
nie v mashinakh. Izd.2., perer. 1963. 534 p.

(MIRA 16:9)

(Machinery, Kinematics of) (Friction)

GARBARUK, V.N.

Designing thread tension devices with washers. Izv.vys.ucheb.zav.;  
tekhn.tekst.prom. no.1:91-95 '63. (MIRA 16:4)

1. Leningradskiy tekstil'nyy institut imeni S.M.Kirova.  
(Textile machinery)

GARBARUK, V.N., kand.tekhn.nauk, dotsent

Effect of the speed of the yarn sliding along guides on its tension.  
Izv.vys.ucheb.zav.; tekhn.leg.prom. no.1:158-161 '63. (MIRA 16:3)

1. Leningradskiy tekstil'nyy institut imeni Kirova. Rekomendovana  
kafedroy proyektirovaniya tekstil'nykh mashin.  
(Knitting machines)

GARBARUK, V.N., dotsent; INVALIDOV, G.V.

Magnitude of the bent of the latch needle end for circular hosiery  
knitting machines. Tekst. prom. 24 no.4:38-44 Ap '64.  
(MIKA 17:6)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti  
imeni S.M. Kirova (for Garbaruk). 2. Nachal'nik trikotazhnoy  
laboratorii Leningradskogo instituta tekstil'noy i legkoy promy-  
shlennosti imeni S.M. Kirova (for Invalidov).

SIMIN, S. Kh., kand. tekhn. nauk; ..., N.Y., detsent, kand. tekhn. nauk.

Review of I.S. Mill'chenko's book "Fundamentals of the design  
of knitting machines." Tekst. prom. 24 no.5:86-87 My 164  
(MIRA 18:2)

1. Glavnnyy inzh. spetsial'nogo konstruktorskogo byra triko-tazhnykh mashin Leningradskogo soveta narodnogo khozyaystva  
(for Simin). 2. Leningradskiy institut tekstil'noy i legkoy  
promyshlennosti im. Kirova (for Garbaruk).

GARBARYAN, M.Ye.

Microbiological processes of the sulfur cycle in Lake Sevan. Trudy  
Sevan. gidrobiol. sta. 16:5-14 '62. (MIRA 16:3)  
(Sevan, Lake--Bacteria, Sulfur)

NOVIKOV, Vyacheslav Aleksandrovich. Prinimali uchastiye: LEBEDEV, Aleksey  
Dmitriyevich, kand.khim.nauk; PEYSAKHOVICH, F.Sh.; KORMANOVSKIY,  
A.P.; RYZHINSKIY, B.I.; GARBAZHIY, G.I.. DANILOVA, V.M., red.;  
DANILOVA, Ye.M., tekhnred.

[Suggestions of efficiency promoters of the Mari A.S.S.R.] Predlo-  
zheniya ratsionalizatorov Mariiskoi ASSR. Ioshkar-Ola, Mariiskoe  
knizhnoe izd-vo, 1959. 52 p. (MIRA 13:5)  
(Mari A.S.S.R.--Technological innovations)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

MAMUNYA, A.U.; GARBENKO, V.G. [Krabenko, V.H.]; RAYEV, Z.A. [Raiev, Z.A.];  
REMEZ, Ye.O. [Remez, IE.O.]

Preparation of molasses for the production of alcohol and baker's  
yeast. Kharch.prom. no.4:41-45 O-D '63. (MIRA 17:1)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

KRYLOVSKIY, S.S.; ZOLOTAREVSKAYA A.S. [deceased]; OSTROVSKIY, A.N.;  
KRECHINA, L.A.; LIVSHITS, R.G.; GABER, B.A.

Firing refractory raw materials in a fluidized bed. Ogneupory  
30 no.10:43-47 '65. (MIRA 18:10)

1. Nauchno-issledovatel'skiy i proyektnyy institut  
metallurgicheskoy promyshlennosti.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

GARBER, B. I.

Baikal, Lake - Plankton

Report on the plankton found in the depths of Lake Baikal. Truly Baik. limnol.  
sta. 12, 1948.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

GARBER, R.I.

Observations on the development and propagation of *Calanoides equae circis* Kratzen. (Copepoda, Calanoida). Trudy Kand. biol. stn. no. 27: 3-55 '51.

(MLR 6:9)  
(Copepoda) (Plankton)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

GARBER, B.M.

Providing the hydrolysis plants of Western Siberia with raw materials from wood wastes. Giárcziz. i lesokhim. prom. 18 no.6:26-27 '65.

(MIRA 18:9)

1. Irkutskiy filial Gosudarstvennogo instituta po proyektirovaniyu lesnogo transporta.

GUSAROV, V.V., inzhener, redaktor; VORONOVA, N.S.; GARBER, D.G.;  
NEMTSOV, N.Yu.; FRIDLYANSKIY, G.V.; MARTENS, S.L., redaktor;  
'ODEL', B.I., tekhnicheskiy redaktor.

[Electric heating apparatus and equipment for the laboratory;  
a catalog and manual] Laboratornye elektronagrevateli'nye  
pribery i ustanovki; katalog-spravochnik. Moskva, Gos.nauchno-  
tekhn.izd-vo mashinostroitel'noi lit-ry, 1955. 147 p.  
(MLRA 9:1)

1. Russia (1923- U.S.S.R) Ministerstvo mashinostroyeniya i pri-  
berestreyeniya.

(Electric furnaces)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7

GARBER, D.G.

Conference on automatic gas analyzers. Priborostroenie no.9:31-32  
S '60. (MIRA 13:9)  
(Radiometer)

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CIA-RDP86-00513R000514310019-7"

PAVLENKO, V.A., glavnny red.; VEYNGEROV, M.L., red.; GARBER, D.G., red.;  
KREMLEVSKIY, P.P., red.; ORSHANSKIY, D.L., red.; TURICHIN, A.M.  
red. [deceased]; KOHYAKOV, N.I., tekhn. red.

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33 D '61.

1. Nauchno-issledovatel'skiy institut tyazhelogo mashinostroyeniya  
Uralmashzavoda.  
(Rolls(Iron mills)-Defects)

S/122/62/000/007/003/006  
D262/D308

AUTHORS: Tret'yakov, A.V., Candidate of Technical Sciences;  
Garber, E.A., Engineer; Pozina, R.A., Engineer

TITLE: Calculations of temperature stresses in working  
rolls during cold rolling

PERIODICAL: Vestnik mashinostroyeniya, no. 7, 1962, 28 - 30

TEXT: Radial, circumferential, and axial temperature stresses  
are calculated when the temperature changes across the section of the  
roll are represented by a) logarithmic curve, b) straight line, c)  
concave curve. The results of the calculations of some typical examples  
show that in all cases they are similar. The effect of the temperature  
stresses on the stress conditions of the rolls during the rolling opera-  
tion (contact stresses) is also investigated and a method of internal  
cooling of the rolls is proposed. There are 4 figures.

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New methods of calculating roll durability on cold rolling mills.  
(MIRA 16:11)  
Stal' 23 no.10:918-921 O '63.

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pri Ural'skom zavode tyazhelogo mashinostroyeniya imeni Sergo  
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the stresses measured in thin disks. Sbor. st. NIITIAZHMASHa  
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Methods of comparing and analyzing the resistance of rolls  
used in cold rolling. Sbor. st. MIITIAZIMASH Uralsmashzavoda  
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CIA-RDP86-00513R000514310019-7

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Investigating the performance of cold rolling mill rolls with  
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"APPROVED FOR RELEASE: 07/19/2001

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GORENSHTEYN, M.M., dozent, kand. tekhn. nauk; TRET'YAKOV, A.V., kand. tekhn. nauk; GARBER, E.A., inzh.; GRACHOV, V.V., inzh.

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1. Zhdanovskiy metallurgicheskiy institut (for Gorenshteyn).

APPROVED FOR RELEASE: 07/19/2001

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"APPROVED FOR RELEASE: 07/19/2001

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Use of methods of mathematical processing of experimental data  
in the engineering and construction laboratory of the Scientific  
Research Institute of Heavy Machinery at the Ural Heavy Machinery  
Plant. Zav.lab. 31 no.10:1237-1238 '65.  
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(Railroads--Accounts, bookkeeping, etc.)

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How a bank department executes control over wage fund. Den.  
i kred. 17 no.10:49-53 0 '59. (MIRA 12:12)  
(Moscow--Banks and banking) (Wages--Accounting)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514310019-7"

GZVKIN, B.M.; GARBER, K.D.

Use of information theory in the development of systems  
for the control of industrial processes. Trudy LIEI  
no.55:85-83 '65. (MIRA 18:11)

"APPROVED FOR RELEASE: 07/19/2001

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1. GARBER, I.B.; ROMANOV, A.I.
2. USSR (600)
4. Electric Wire
7. Restoring the insulation of electrically welded wires by the method of hot vulcanization, Engs. I.B. Garber, A.I. Romanov, Rat.energ. 3no. 4, 1953.
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*GARBER, I. O.*

AID P - 666

Subject : USSR/Electricity  
Card 1/1 Pub. 29 - 1/24  
Authors : Garber, I. B., Eng. and Romanov, A. I., Eng.  
Title : Training of repair crews  
Periodical : Energetik, 2, 7, 1-3, J1 1954  
Abstract : The organization and some points of the training program are described as an example of education of the technical personnel of electric power plants and power engineering developments. One photo.  
Institution : None  
Submitted : No date

GARBER, I.B.

AID F - 1634

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 16/23

Author : Garber, I. B., Eng.

Title : New method of installation of cast-in-concrete reactors

Periodical : Energetik, 1, 24-26, Ja 1955

Abstract : The author describes new technique presented by Burov, G. A. of the Lenenergo for installation of reactors. Four pictures and diagrams illustrate the procedure.

Institution: Lenenergo (Leningrad Electric Power System Administration)

Submitted : No date

Garber I.B.

REF ID: A6525

AID P - 3403

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 18/30

Authors : Garber, I. B., and Romanov, A. I., Engs.

Title : Movable transformer for starting motors for balancing  
and rolling operations

Periodical : Energetik, 3, 10, 25, 0 1955

Abstract : The author describes a movable transformer made  
according to the proposals of section and workshop  
chiefs for the dynamic balancing of high voltage  
motors. This operation requires a great number of  
starts and disconnections. The same transformer is  
also used for the rolling of high voltage motors.

Institution : None

Submitted : No date